

FIG. 2

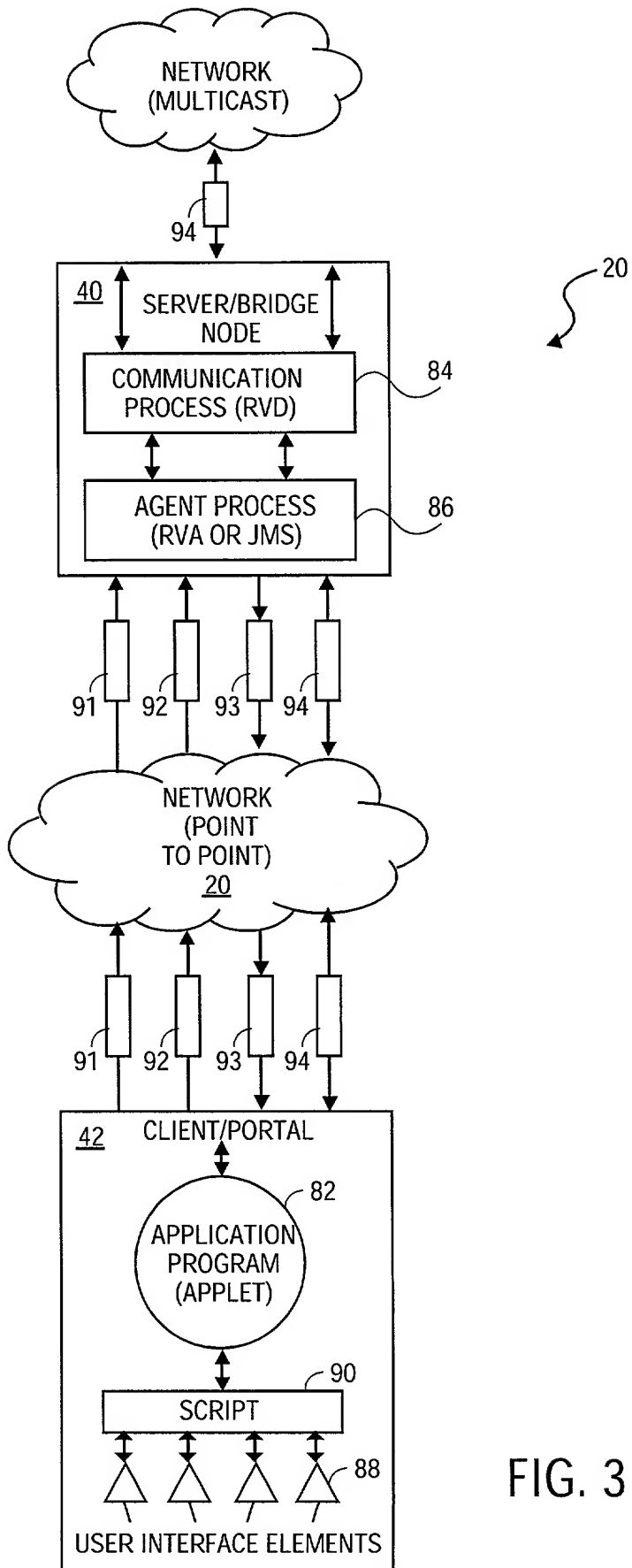


FIG. 3

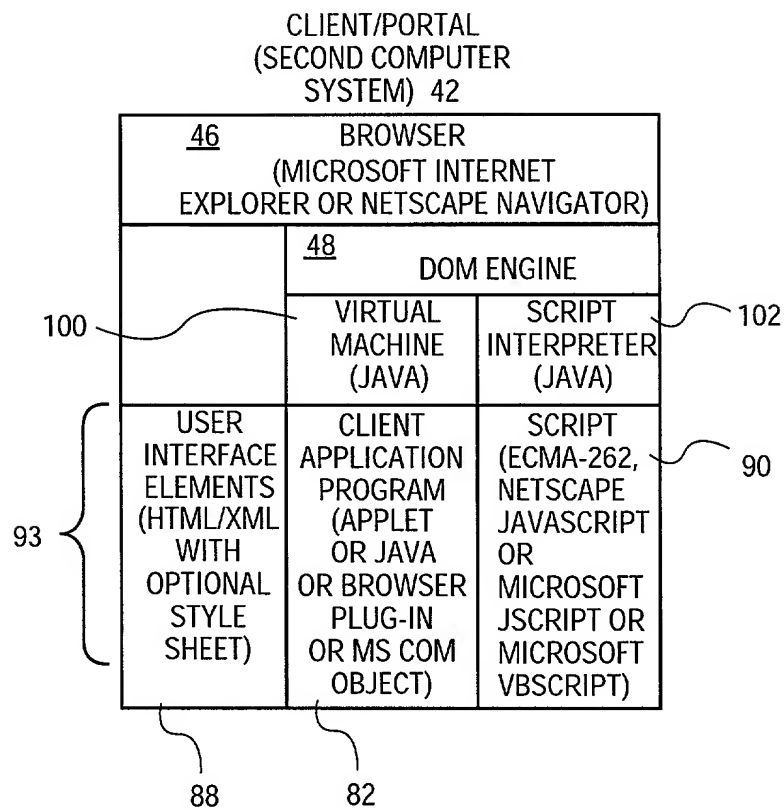


FIG. 4

PAGE BUILD  
(CLIENT/PORTAL)  
(SECOND COMPUTER SYSTEM)

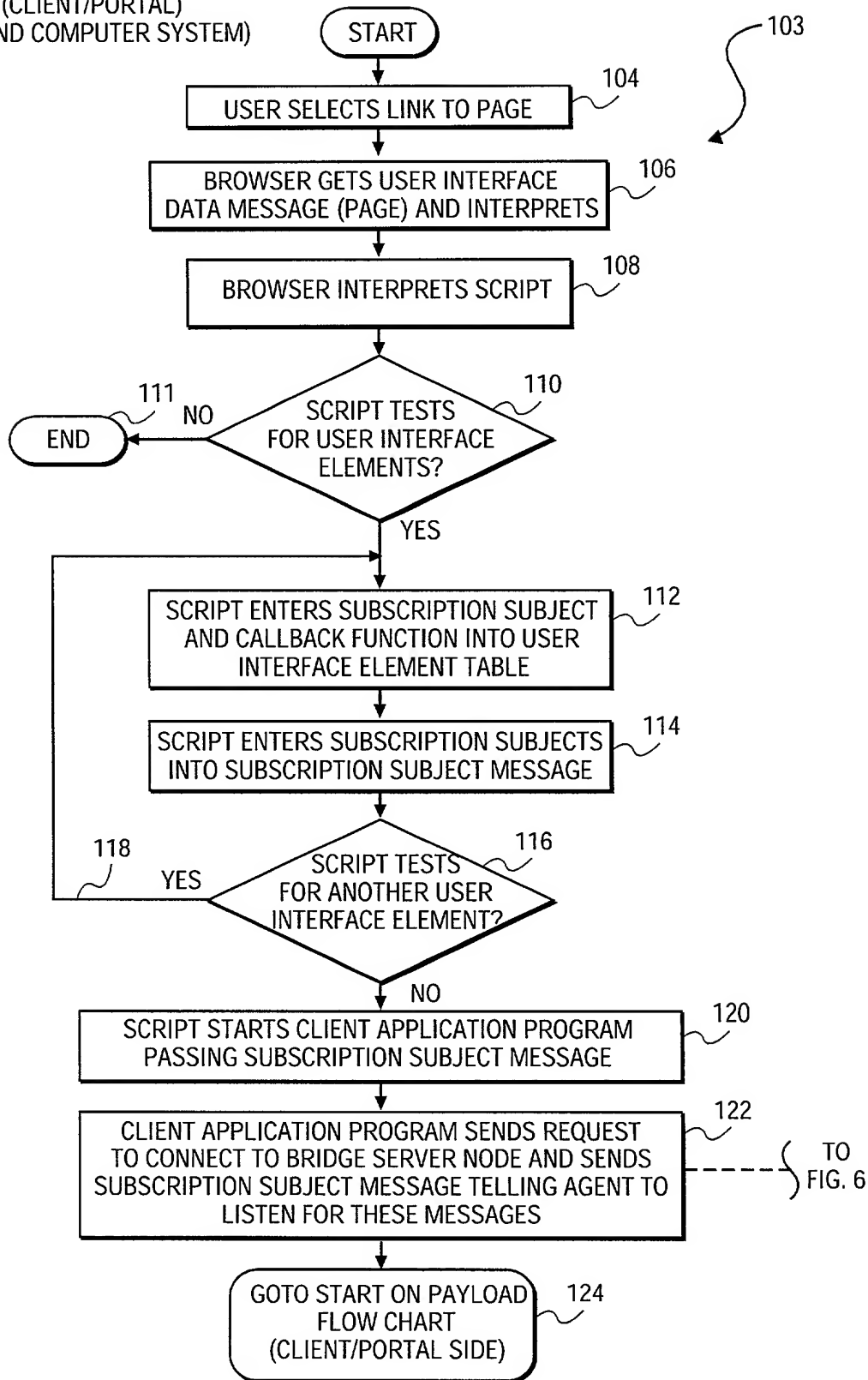


FIG. 5

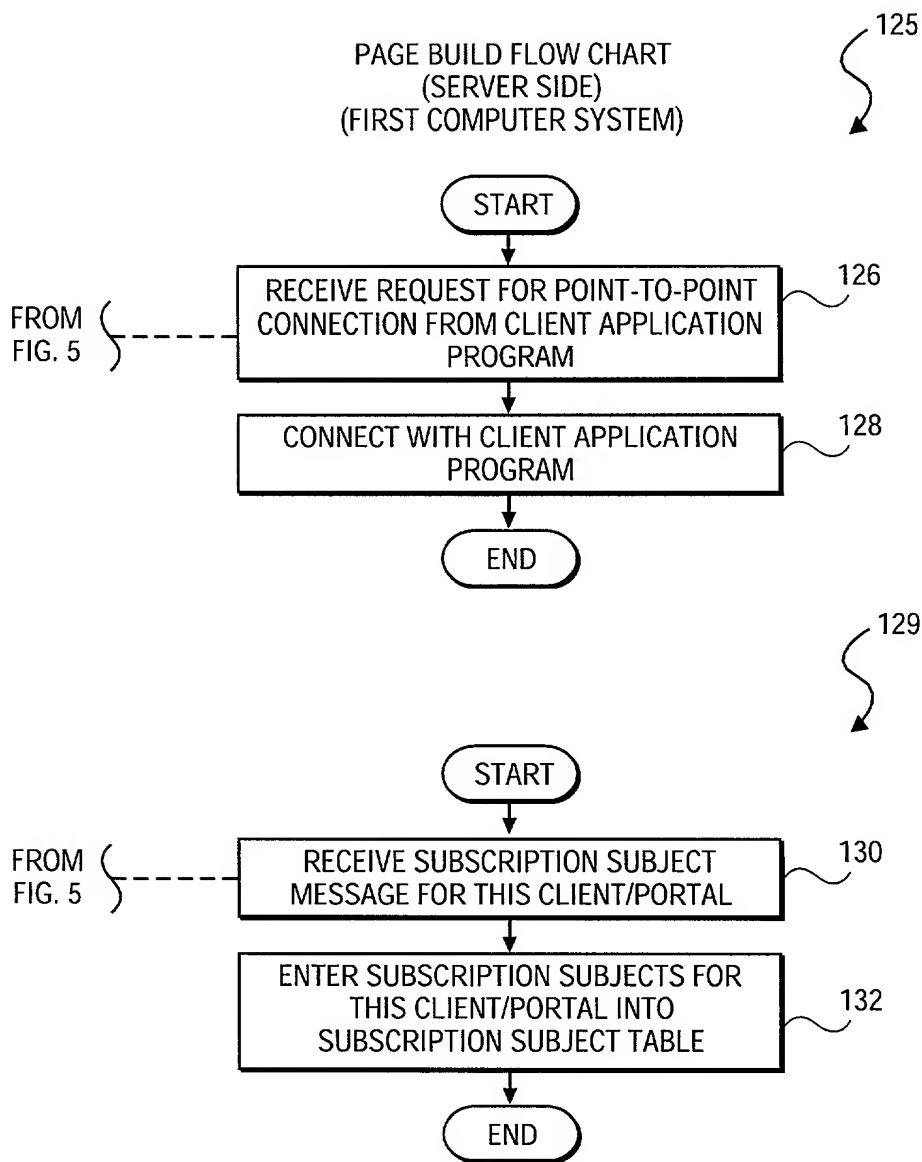


FIG. 6

PAYLOAD FLOW CHART  
(SERVER)  
(FIRST COMPUTER SYSTEM  
(AGENT PROCESS))

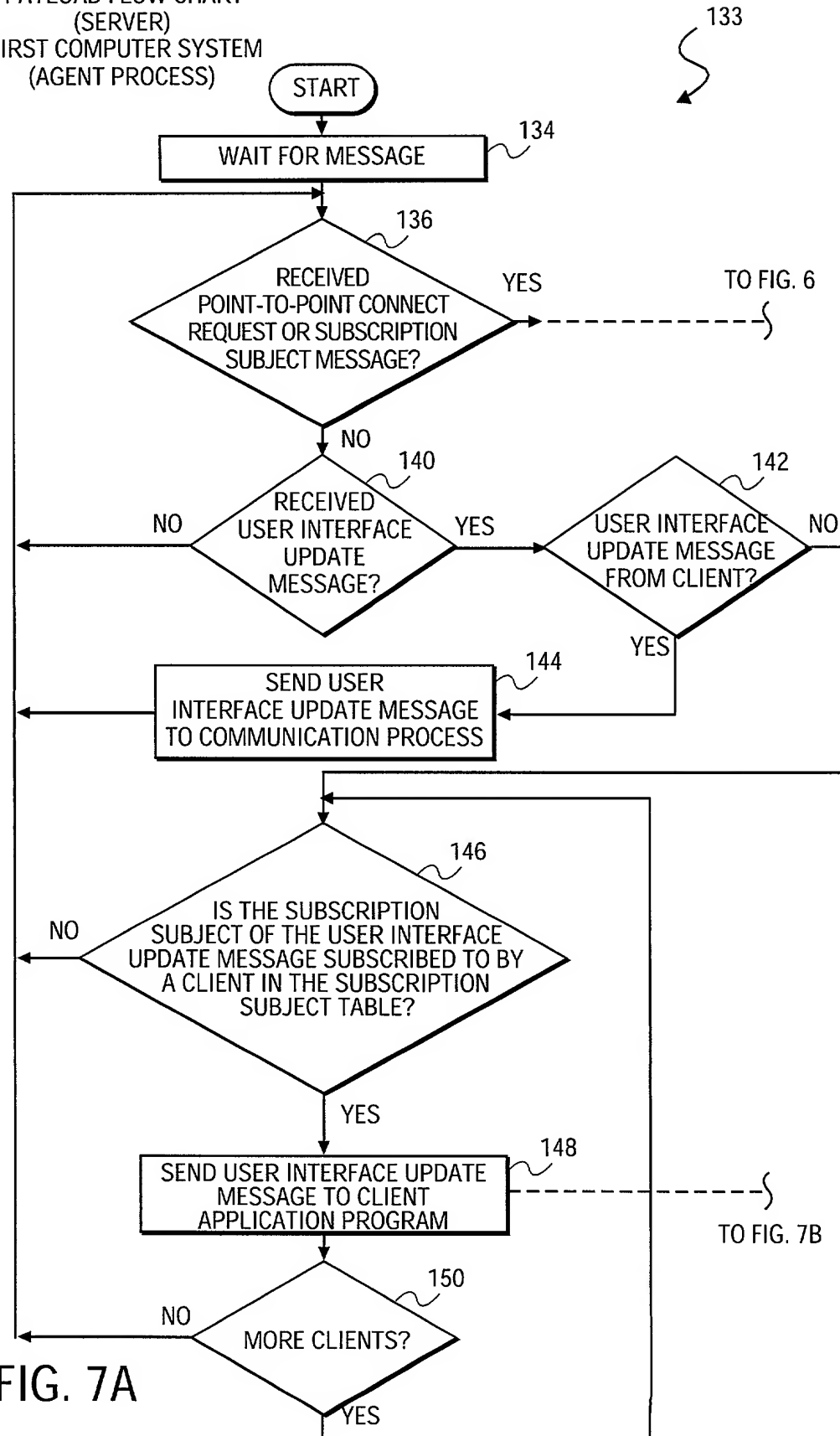


FIG. 7A

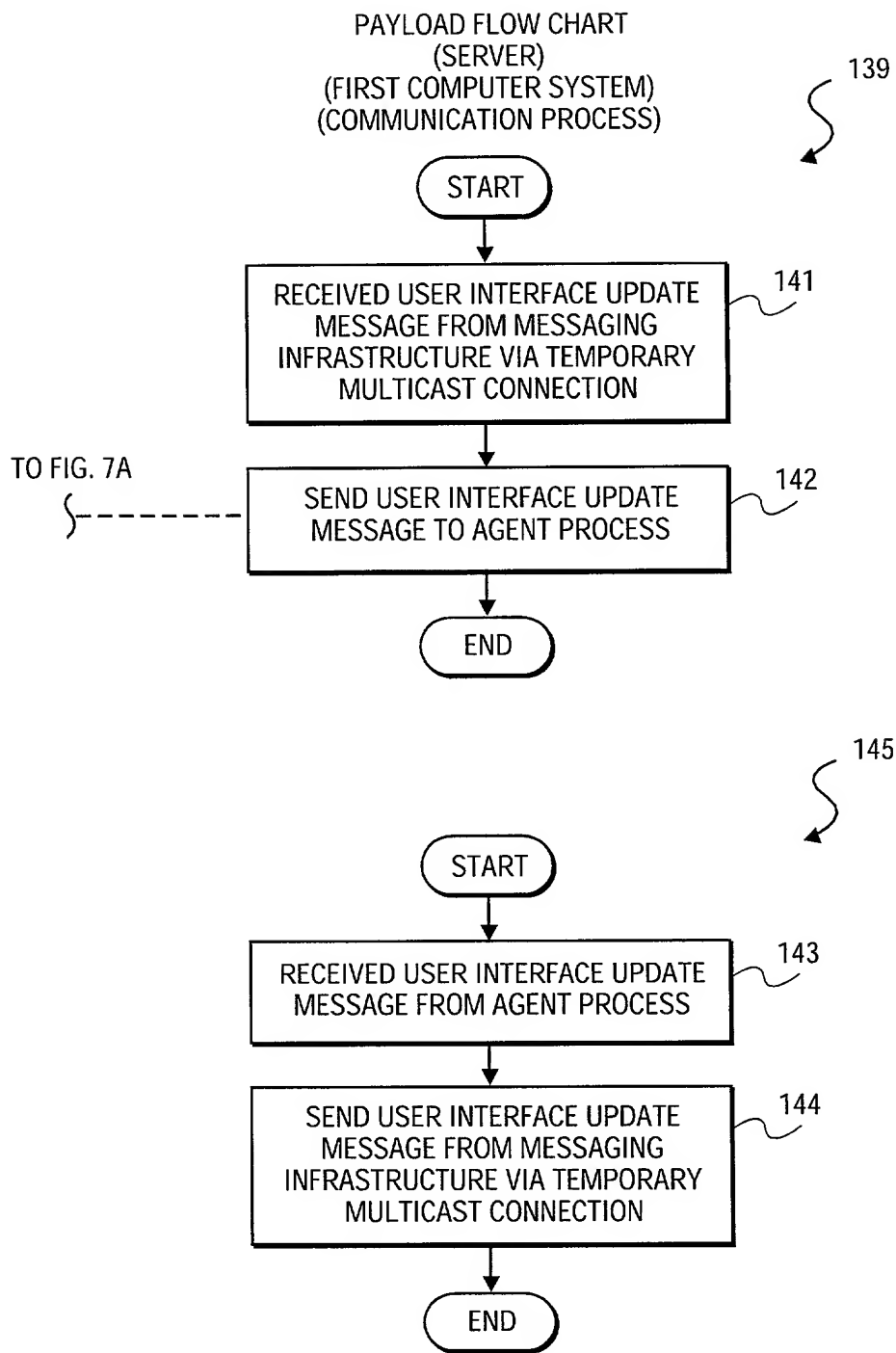
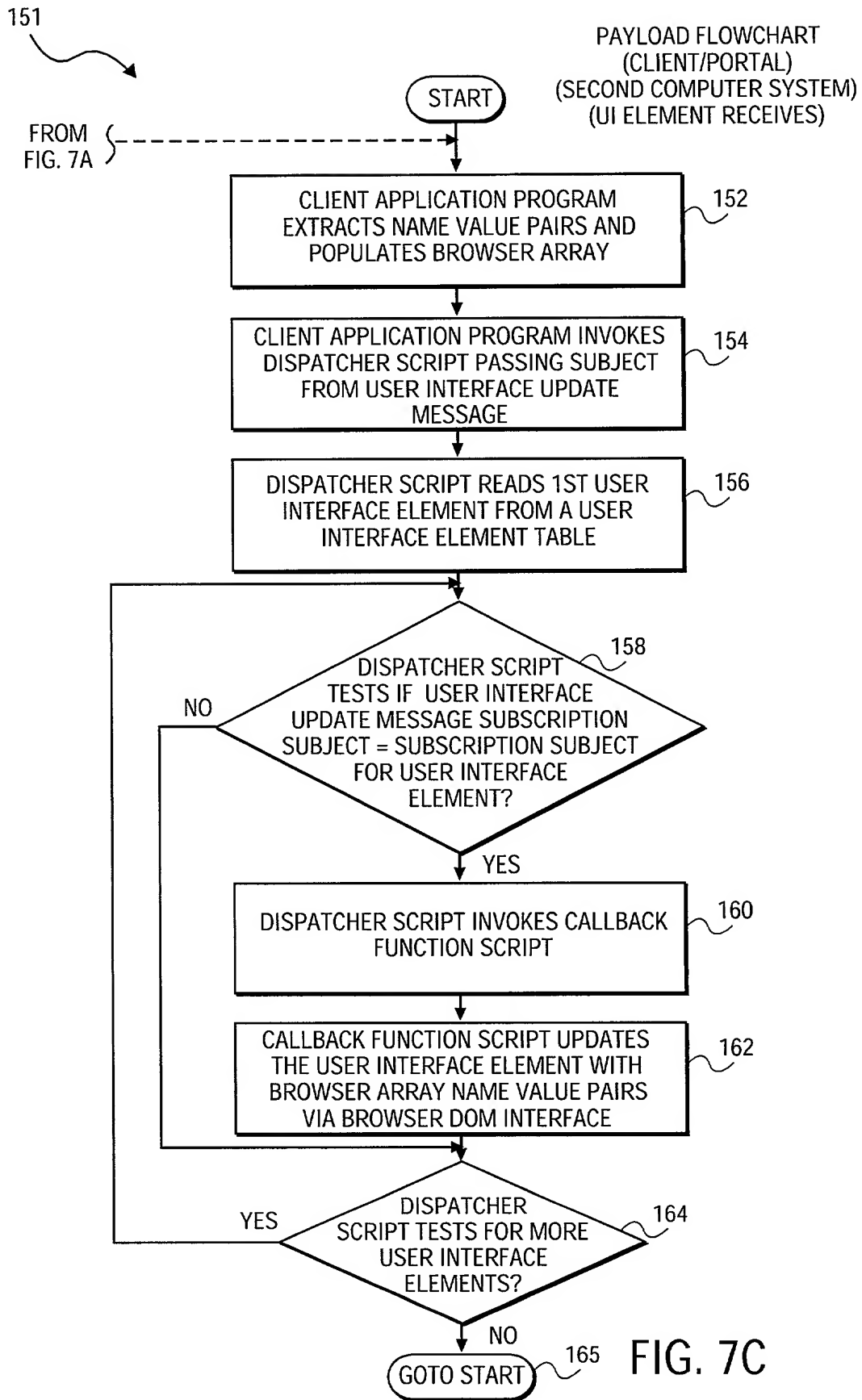


FIG. 7B





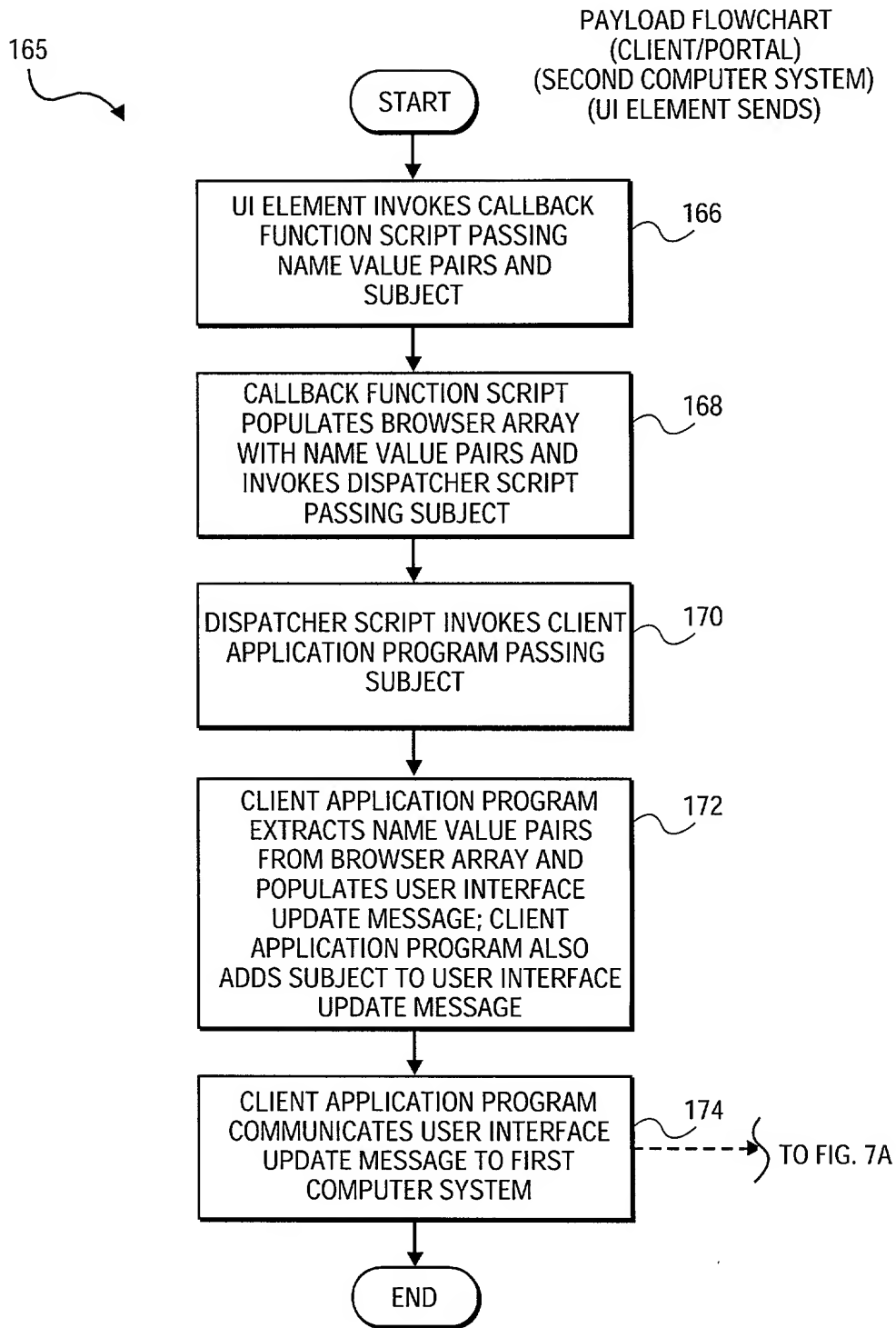


FIG. 7D

TABLE 1

USER INTERFACE ELEMENT TABLE  
(CLIENT/PORTAL)  
(SECOND COMPUTER SYSTEM)

176

PER USER INTERFACE ELEMENT	SUBSCRIPTION SUBJECTS	CALLBACK FUNCTION

FIG. 8

TABLE II

BROWSER ARRAY  
(CLIENT/PORTAL)  
(SECOND COMPUTER SYSTEM) <sup>177</sup>

NAME	VALUE

FIG. 9

TABLE III  
(SERVER)  
(FIRST COMPUTER  
SYSTEM)

SUBSCRIPTION SUBJECT TABLE <sup>178</sup>

PER CLIENT/ PORTAL COMPUTER	SUBJECT 1	SUBJECT 2	• • •	SUBJECT N

FIG. 10

MESSAGE I

USER INTERFACE DATA MESSAGE <sup>93</sup>

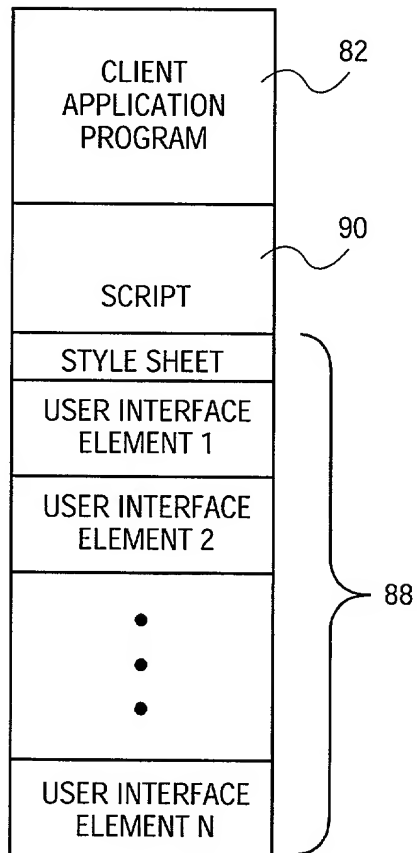


FIG. 11

FIG. 13

2052102523001

180~

## SPORTS HEADLINES

### INPUT

182~Baseball News.....

184~Other Sports News.....

~181

185~

### OUTPUT

186~Baseball News

Subject = news.sports.baseball

*Bobby Bonds hit his 71<sup>st</sup>  
home run today as the  
Giants beat the Reds in 10  
innings at 3Com park.*

188~Other Sports News

Subject=news.sports.other

*Tiger wins with 3 wood.*

FIG. 14



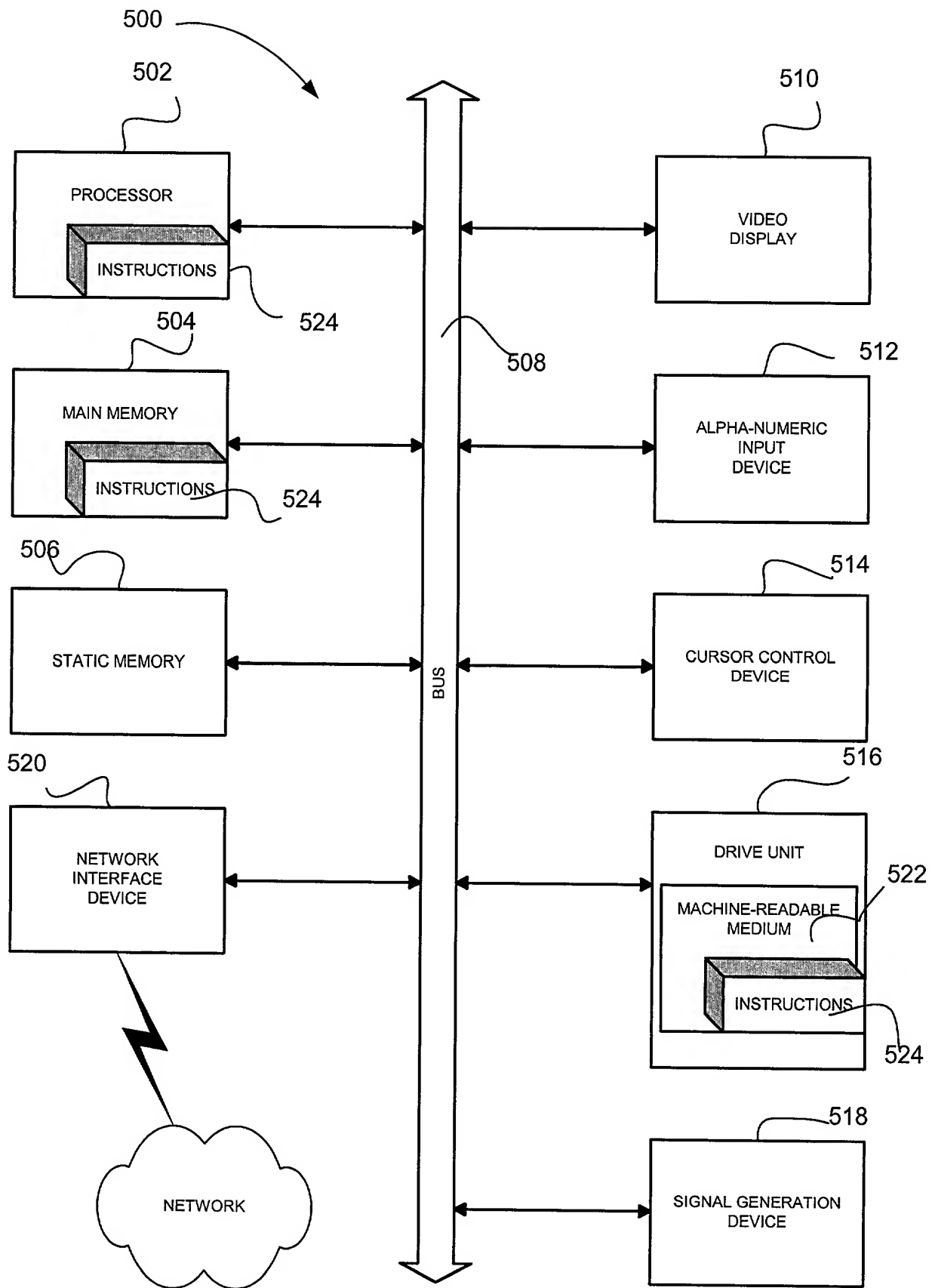


FIGURE 15